Scottish Cancer Waiting Times System

Data Submission Manual

Information Services Division Scotland

Version 4.0

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1 Summary of Updates from Previous Version (3.0)

Page Number (V4.0)	Summary of Changes
Whole document	Update format of document to reflect to align with data and definitions manual.
Whole document	Update document to reflect change from national targets to national standards.
4	Update all sections in Background Information to align with data and definitions manual.
8	Update Data Items table and insert categories.
16	Update Validation and Error Messages table to include new validations.

2 BACKGROUND

2.1 Introduction

Better Cancer Care – An Action Plan was launched on 27 October 2008. Central to this is development of a comprehensive programme of work to assure the quality of care delivered. Two key and complimentary strands of this work are assuring compliance with national standards and guidelines through robust clinical governance and delivery of 2 new cancer standards:

Standard 1

62-day standard to treatment for all patients referred urgently with a suspicion of cancer and for screened positive patients.

Standard 2

31-day standard from decision to treat to first treatment for all patients diagnosed with a suspicion of cancer irrespective of their route of referral

These standards (previously targets) have been implemented and achieved in the timescale agreed by the Scottish Government (by December 2011). As of 1st April 2012 they are considered National Standards

2.2 Methodology and Coverage

The Board responsible for collating and submitting the data is the Board of receipt of the initial referral to secondary care. Data for both performance management and official reporting of the new standards should come from a single source - the tracking systems within Boards. This will be subject to the same degree of scrutiny, validation and quality assurance as current methods of standard performance measurement.

The data should be submitted to the Information Services Division (ISD) of NHS National Services Scotland monthly via SWIFT DVL (Submission With Internet File Transfer Data Validation & Loading), based on patients treated within the month. This should be submitted once per Board for all tumour sites by the 20th of the following month. If the 20th falls on a weekend or public holiday, the data should be submitted the next working day. The submission and reporting timetable can be found within the Rules and Guidance section of the Cancer Waiting Times page.

If a resubmission of a previous month's data is required, due to an extra patient identified or a record already submitted needs to be amended, then the **whole** submission for that treatment month must be uploaded. Data for the quarterly publication can be submitted one month after submission deadline of the last month in that quarter, e.g. Quarter 1 (January – March) monthly submission deadline is in April therefore the quarterly submission deadline will be in May.
Any submission queries should be directed to:
NSS.ISDCancerWaitsNew@nhs.net.

2.3 Data & Definitions Manual

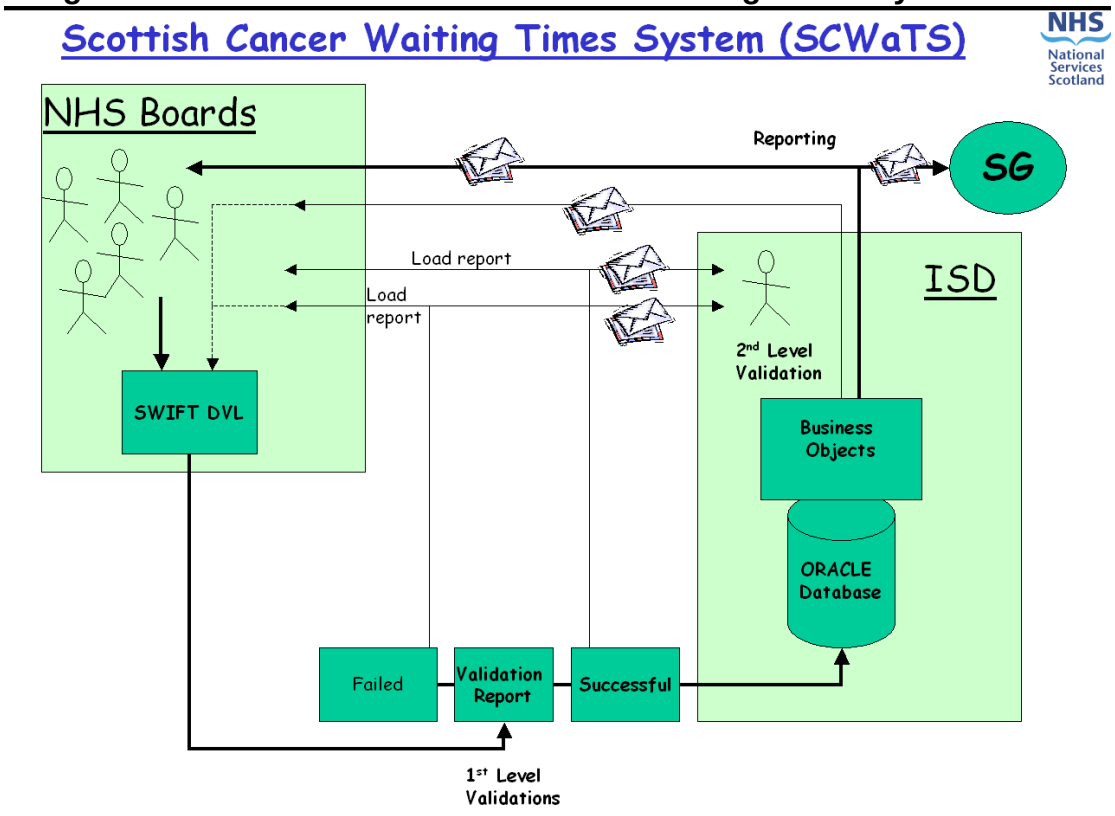
This Data & Definitions manual should be used when recording cancer waiting times data. To view the manual and FAQs please visit the Rules and Guidance section of the Cancer Waiting Times page.

3 Overview

The main components of the Scottish Cancer Waiting Times System (SCWaTS) involve:

- Creating a file for submission in CSV (comma separated variables) format
- Secure submission of CSV files to ISD via SWIFT DVL (Submission with internet file transfer with data validation and loading)
- Automatic validation of data received
- Automatic feed back of a load validation report
- Automatic loading of validated data onto an ORACLE (a relational database management system) database.
- Automatic adding of derived variables to the database
- Access to the database for analysis and reporting via CWT Business Objects (reporting, query and data analysis tools)
- Production of a standard report pack, via Business Objects XI (BOXI) for access by the NHS Boards and distribution to SG colleagues.
- Production of provisional and final quarterly reports for publication.

Diagram 1 – Overview of Scottish Cancer Waiting Times System

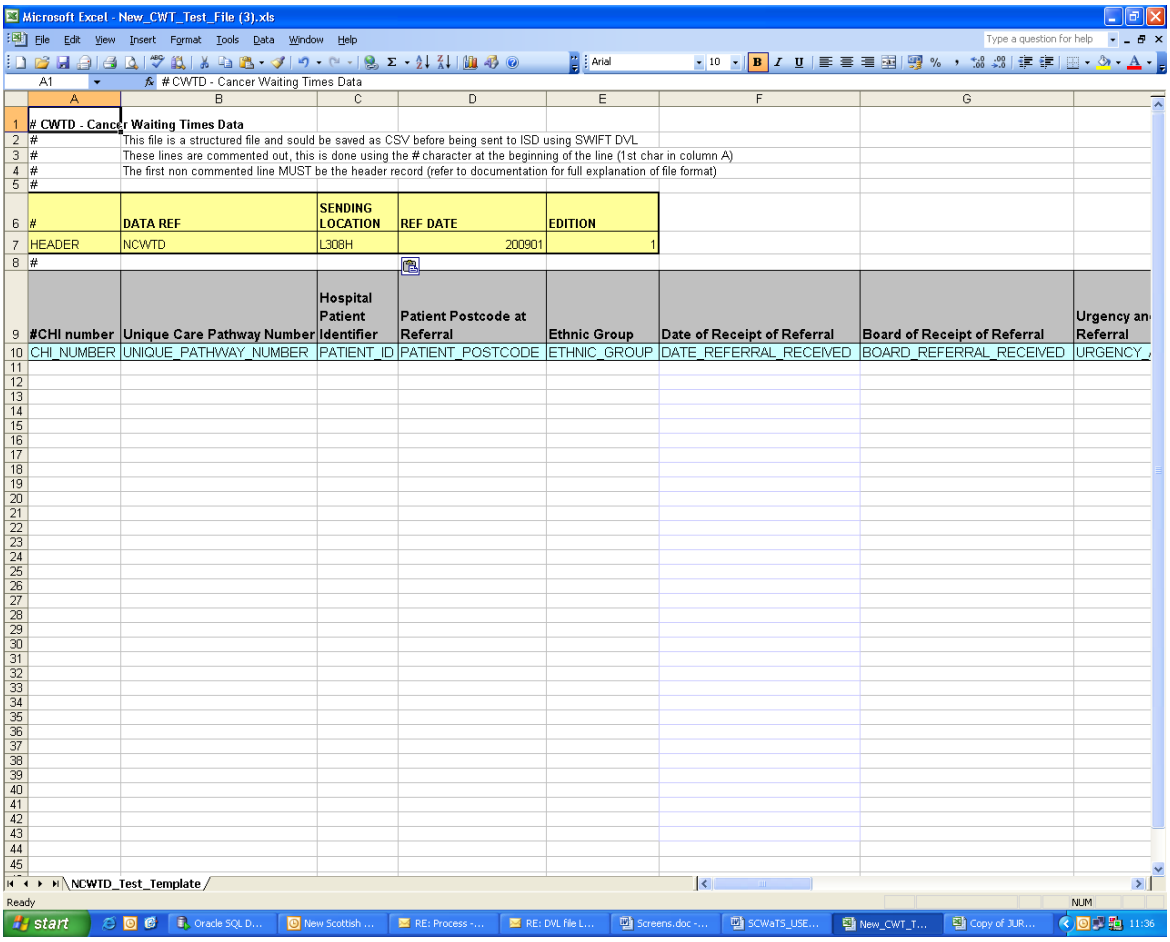


4 Recording Data

4.1 Preparing the Header Record

For each submission, details have to be entered into the header record to identify the data reference, who is sending data, the period covered and the edition number before data are pasted into the template. The DATA REF identifies the dataset that this file (header and data records) contains. In this case it is Cancer Waiting Times Data (NCWTD) and will be the same for all submissions.

Screen 1 – Sample Header Record


Microsoft Excel - New_CWT_Test_File (3).xls
CWTD - Cancer Waiting Times Data
CWTD - Cancer Waiting Times Data
This file is a structured file and sould be saved as CSV before being sent to ISD using SWIFT DVL
These lines are commented out, this is done using the # character at the beginning of the line (1st char in column A)
The first non commented line MUST be the header record (refer to documentation for full explanation of file format)
DATA REF SENDING LOCATION REF DATE EDITION
HEADER NCWTD L308H 200901 1
#CHI number Unique Care Pathway Number Hospital Patient Identifier Patient Postcode at Referral Ethnic Group Date of Receipt of Referral Board of Receipt of Referral Urgency an Referral
CHI_NUMBER UNIQUE_PATHWAY_NUMBER PATIENT_ID PATIENT_POSTCODE ETHNIC_GROUP DATE_REFERRAL_RECEIVED BOARD_REFERRAL_RECEIVED URGENCY_
NCWTD_Test_Template
Ready
NUM
start

4.2 Sending Location

A code identifying the location from which the file is submitted. Note that at this time ISD is looking to have a **single submission from each Board**, which will include all cancer sites. It will therefore be unnecessary to also include a site specific suffix to the sending location. The file will fail validation if a site specific suffix is included. This is a change from the previous version of the system. **A list of recognised sending location codes is provided in the Table 1. Please refer to this before submission as USE OF THE INCORRECT SENDING LOCATION CODE COULD RESULT IN OVERWRITING DATA SUBMITTED FOR OTHER SENDING LOCATIONS.**

Table 1 – Valid Sending Locations

NHS Board	Sending Location
Ayrshire & Arran	A111H
Borders	B120H
Dumfries & Galloway	Y104H
Fife	F704H
Forth Valley	V201H
Grampian	N101H
Greater Glasgow	G107H, G306H
Highland	H202H
Lanarkshire	L308H
Lothian	S116H
Orkney	R101H
Shetland	Z102H
Tayside	T101H
Western Isles	W107H

4.3 Ref Date

Identifies the year/month (YYYYMM) of the reporting period. E.g. Data for reporting period October 2009 will have REF DATE 200910.

4.4 Edition

This is a single number representing the number of times a file has been submitted and loaded for a specified sending location and reference date. The edition will increment by one every time data is successfully submitted for that sending location and reference date, but will not increment for a failed submission. E.g. the first submission should be edition "1". If this submission failed, the next submission should also be edition “1”. If this submission was successful, the next submission should be edition “2”. Note that each subsequent edition will overwrite all data submitted in the previous edition, so that **submissions should always be a complete set of data**.

WARNING: Where an error occurs indicating that a higher edition than that entered was expected (Appendix 1: Header Validation no.007), this may indicate that two or more users have been submitting data with the same sending location and reference date. E.g. A user submits data for the first time as edition “1”, but the submission fails giving an error message “Incorrect edition, found: 1, expecting: 2”. In this case it is important to check that all users submitting data are entering the correct sending location and reference date, to prevent overwriting data for other locations or cancer sites.

4.5 Inserting data

Insert data into template ensuring that each variable is under the correct header and in the correct format. The below table shows what format the data items should be in and if they are mandatory; if a data item is mandatory a valid value must be inputted.

	Field	Format	Mandatory?
Patient Demographics	CHI Number	10 numbers	Yes
	Unique Care Pathway Number	13 alphanumeric characters	No
	Hospital Patient Identifier	10 characters	No
	Patient Postcode at Referral	7 characters	Yes
	Ethnic Group	2 alphanumeric characters	Yes
Referral	Date of Receipt of Referral	DDMMYYYY	Yes, if a patient is in the 62-day standard cohort
	Board of Receipt of Referral	1 character	Yes
	Urgency and Source of Referral	2 characters	Yes
Diagnosis	Cancer Type	2 characters	Yes
Decision To Treat	Decision to Treat Date	DDMMYYYY	Yes
First Treatment	Type of First Treatment	2 characters	Yes
	Date of First Treatment	DDMMYYYY	Yes
	Board of First Treatment	1 character	Yes
Waiting Times Adjustment	Waiting Time Adjustment Pre-DTT - Number of Days	Number	Yes, if a patient is in the 62-day standard cohort
	Waiting Time Adjustment Pre-DTT - Main Reason	2 characters	Yes, if a patient is in the 62-day standard cohort
	Waiting Time Adjustment Post-DTT - Number of Days	Number	Yes, if a patient is in the 62-day and 31-day standard cohort
	Waiting Time Adjustment Post-DTT - Main Reason	2 characters	Yes, if a patient is in the 62-day and 31-day standard cohort
Adjusted Length of Pathway	Referral to Treatment (days)	Number	Yes, if a patient is in the 62-day standard cohort
	Decision to Treat to Treatment (days)	Number	Yes
Reason for Delay	Reason for Delay 62-day	2 characters	Yes
	Reason for Delay 31-day	2 characters	Yes

4.6 Data Fields

4.6.1 CHI Number

When inputting the CHI number ensure the correct check digit is used.

4.6.2 Postcode

For the valid postcode format please see the Patients Demographics section in the Data and Definitions Manual version.

If no postcode has been recorded or patients are not resident in the UK code 'NK01 0AA' should be used.

ISD should be notified of newly created postcodes; this can be done by filling in form 'pc_A' found on the ISD website (http://www.isdscotland.org/Products-and-Services/Data-Definitions-and-References/National-Reference-Files/SMR-Reference-Files/) and emailed to NSS.isdDIGReference@nhs.net.

4.6.3 Date of Receipt of Referral/Urgency and Source of Referral

Code 10/10/1010 (inapplicable) used in Date of Receipt of Referral can only be used when patients are recorded as '16-GP/GDP referral other' or '17-Other'.

4.6.4 Date Decision to Treat

If the patient dies or refuses all treatments prior to a Decision to Treat then the date entered for the Date of Decision to Treat should be 10/10/1010.
This then requires you to:

- Use the appropriate code for Type of First Treatment – '08-patient refused all treatment' or '14-patient died before treatment'.

- Enter the date refused or date died in Date of First Treatment.

4.6.5 Length of Pathway/Adjustments

For information on calculating these and examples please see 'Data and Definitions Manual version.

4.6.6 Reason for Delay 62-day/31-day

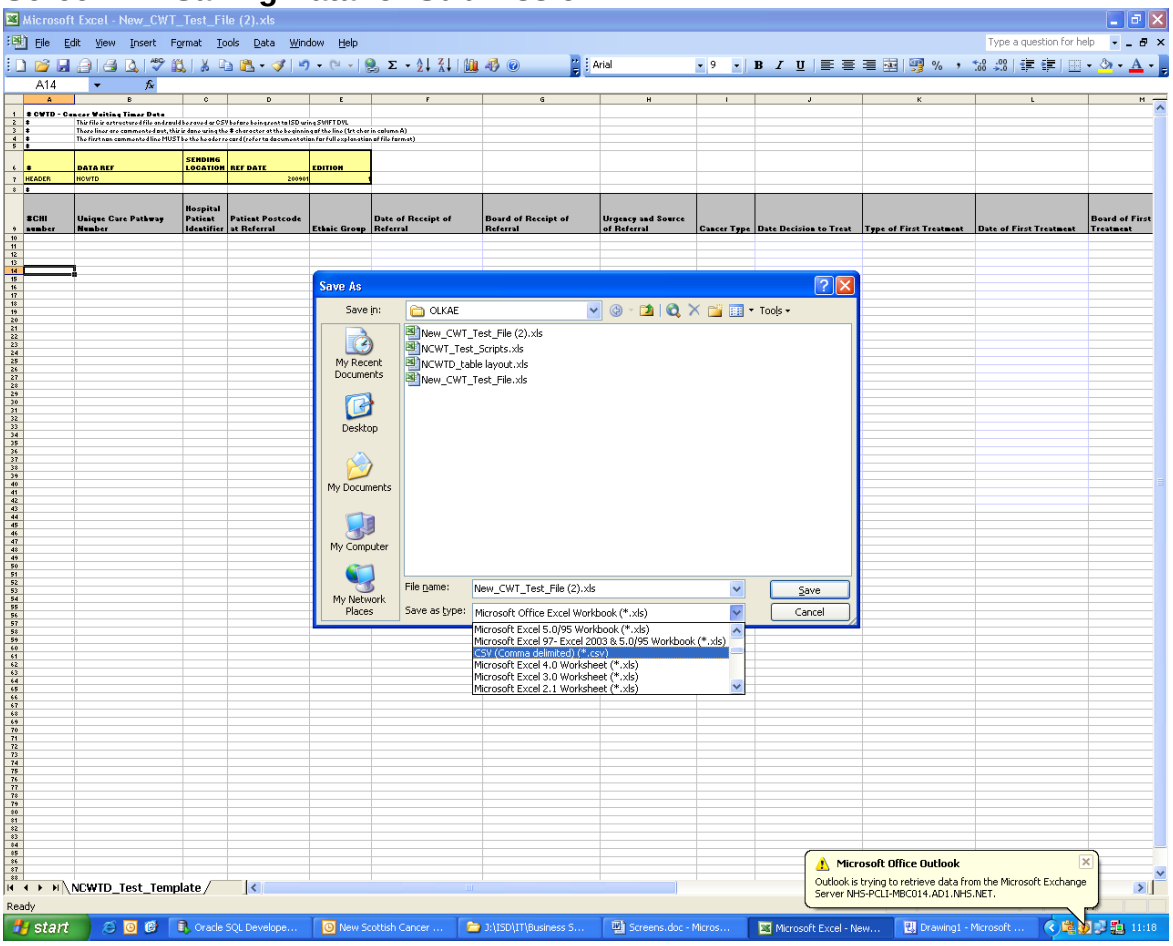
For patients seen within the relevant standard, code '10 - Inapplicable (patient treated within standard)' should be used.

5 File Submissions

5.1 File saving

In the ‘File’ drop-down menu select ‘Save As’. Then in the ‘Save as type’ drop-down menu select ‘CSV (Comma delimited)’. Name as appropriate and click ‘Save’.

Screen 2 – Saving Data for Submission



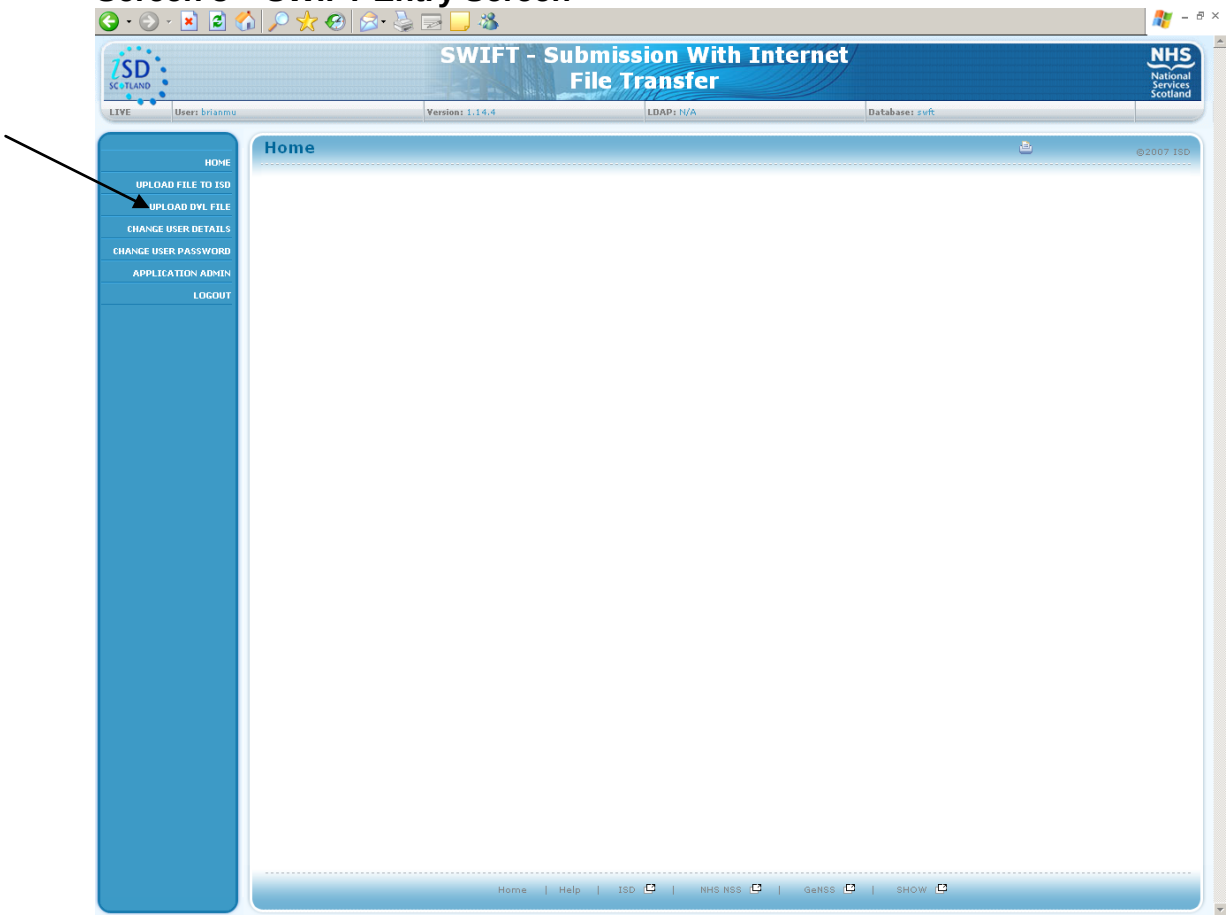
5.2 Logging into SWIFT DVL and using DVL processing

Go to following website:
https://oas.nss.scot.nhs.uk/swift/

Enter Username & Password and click 'Logon'.
If you don't already have login details for SWIFT then email your contact telephone number to NSS.ISDCancerWaitsNew@nhs.net .

In the navigation bar on the left hand side of the screen select '**Upload DVL file'**. This selects the data validation and load (DVL) version of SWIFT. **DO NOT** select **'Upload file to ISD'** as submitting files using this previous version of SWIFT will not validate your data during the load process.

Screen 3 – SWIFT Entry Screen

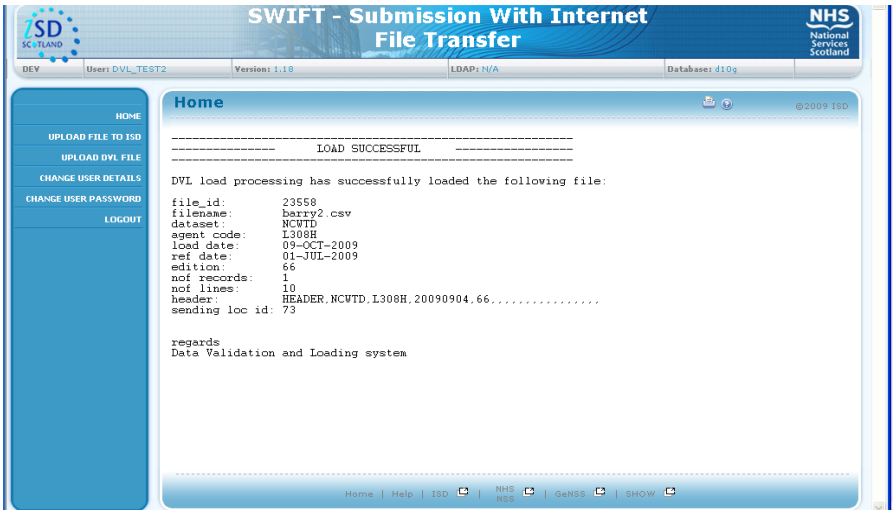


Click 'Browse' and select the file that you wish to submit. This is similar to creating an email attachment and is the same as the previous version of SWIFT.

Once file details are selected click 'Submit' and wait a moment while your data is being processed.

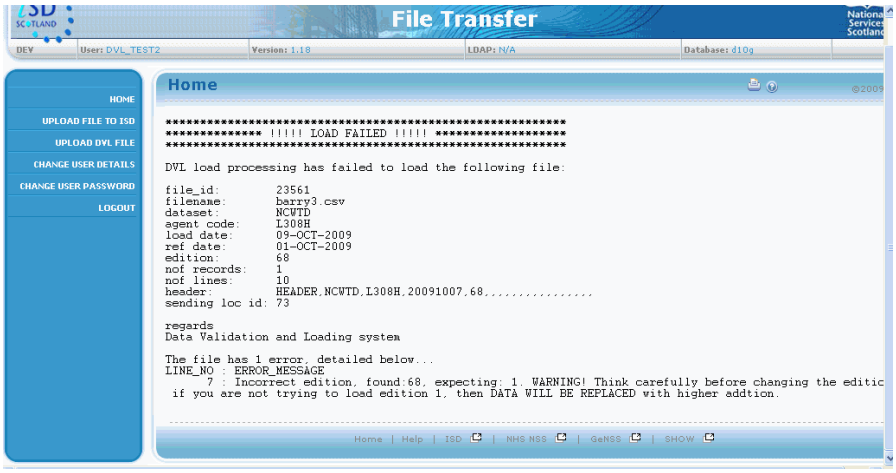
If the data processing finds no errors or queries you will be presented with the 'Load successful' screen.

Screen 4 – Load Successful Screen



However, if during the processing an error or query is found you will be presented with a 'Load failed' screen. This screen will also include details of why the file was not accepted.

Screen 5 – Load Failed Screen

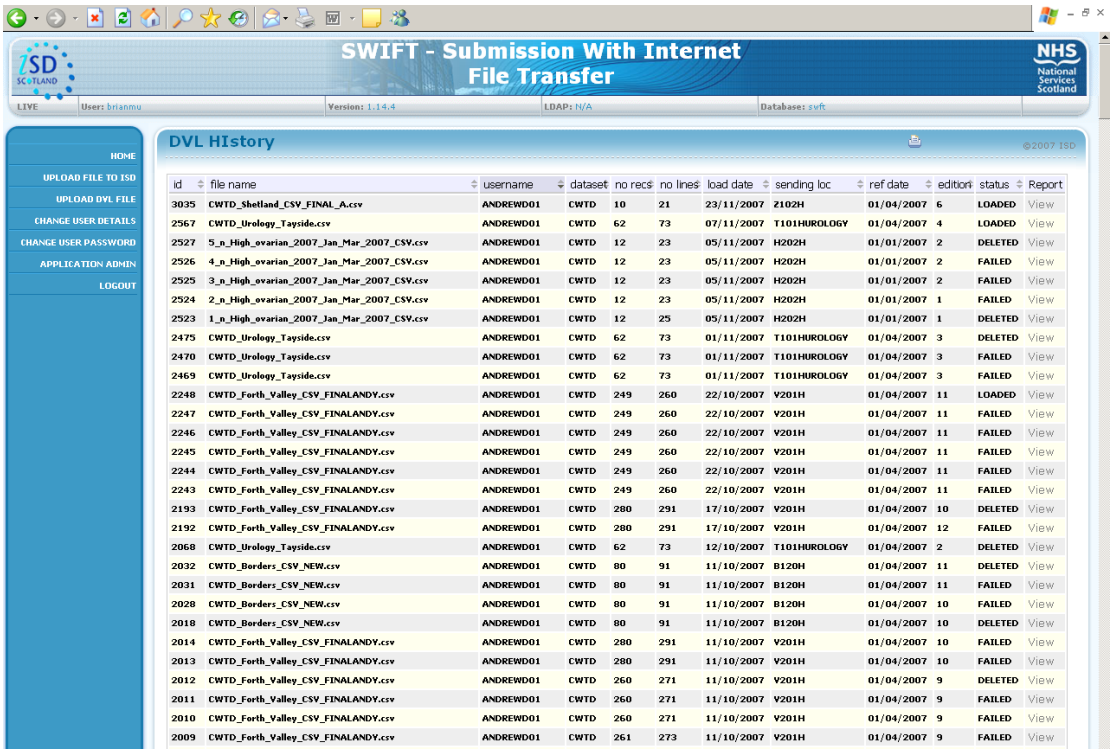


If this message is displayed, edit information as per error message and try resubmitting file. The system carries out checks in stages so there is a possibility that once the initial error has been dealt with further errors may appear. A comprehensive list of error messages generated by the system is shown in Appendix 1.

5.3 Load history

To keep track of submissions (both failed and successful) there is a 'Load history' page available in SWIFT. This can be found by clicking on the 'Load History' link above the BROWSE and select file options on the 'Upload DVL file' page.

Screen 6 – DVL Load History Screen



id	file name	username	dataset	no recs	no lines	load date	sending loc	ref date	edition	status	Report
3035	CWTD_Shetland_CSV_FINAL_A.csv	ANDREWD01	CWTD	10	21	23/11/2007	Z102H	01/04/2007	6	LOADED	View
2567	CWTD_Urology_Tayside.csv	ANDREWD01	CWTD	62	73	07/11/2007	T101HUROLOGY	01/04/2007	4	LOADED	View
2527	5_n_High_ovarian_2007_Jan_Mar_2007_CSV.csv	ANDREWD01	CWTD	12	23	05/11/2007	H202H	01/01/2007	2	DELETED	View
2526	4_n_High_ovarian_2007_Jan_Mar_2007_CSV.csv	ANDREWD01	CWTD	12	23	05/11/2007	H202H	01/01/2007	2	FAILED	View
2525	3_n_High_ovarian_2007_Jan_Mar_2007_CSV.csv	ANDREWD01	CWTD	12	23	05/11/2007	H202H	01/01/2007	2	FAILED	View
2524	2_n_High_ovarian_2007_Jan_Mar_2007_CSV.csv	ANDREWD01	CWTD	12	23	05/11/2007	H202H	01/01/2007	1	FAILED	View
2523	1_n_High_ovarian_2007_Jan_Mar_2007_CSV.csv	ANDREWD01	CWTD	12	25	05/11/2007	H202H	01/01/2007	1	DELETED	View
2475	CWTD_Urology_Tayside.csv	ANDREWD01	CWTD	62	73	01/11/2007	T101HUROLOGY	01/04/2007	3	DELETED	View
2470	CWTD_Urology_Tayside.csv	ANDREWD01	CWTD	62	73	01/11/2007	T101HUROLOGY	01/04/2007	3	FAILED	View
2469	CWTD_Urology_Tayside.csv	ANDREWD01	CWTD	62	73	01/11/2007	T101HUROLOGY	01/04/2007	3	FAILED	View
2248	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	249	260	22/10/2007	V201H	01/04/2007	11	LOADED	View
2247	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	249	260	22/10/2007	V201H	01/04/2007	11	FAILED	View
2246	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	249	260	22/10/2007	V201H	01/04/2007	11	FAILED	View
2245	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	249	260	22/10/2007	V201H	01/04/2007	11	FAILED	View
2244	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	249	260	22/10/2007	V201H	01/04/2007	11	FAILED	View
2243	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	249	260	22/10/2007	V201H	01/04/2007	11	FAILED	View
2193	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	280	291	17/10/2007	V201H	01/04/2007	10	DELETED	View
2192	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	280	291	17/10/2007	V201H	01/04/2007	12	FAILED	View
2068	CWTD_Urology_Tayside.csv	ANDREWD01	CWTD	62	73	12/10/2007	T101HUROLOGY	01/04/2007	2	DELETED	View
2032	CWTD_Borders_CSV_NEW.csv	ANDREWD01	CWTD	80	91	11/10/2007	B120H	01/04/2007	11	DELETED	View
2031	CWTD_Borders_CSV_NEW.csv	ANDREWD01	CWTD	80	91	11/10/2007	B120H	01/04/2007	11	FAILED	View
2028	CWTD_Borders_CSV_NEW.csv	ANDREWD01	CWTD	80	91	11/10/2007	B120H	01/04/2007	10	FAILED	View
2018	CWTD_Borders_CSV_NEW.csv	ANDREWD01	CWTD	80	91	11/10/2007	B120H	01/04/2007	10	DELETED	View
2014	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	280	291	11/10/2007	V201H	01/04/2007	10	FAILED	View
2013	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	280	291	11/10/2007	V201H	01/04/2007	10	FAILED	View
2012	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	260	271	11/10/2007	V201H	01/04/2007	9	DELETED	View
2011	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	260	271	11/10/2007	V201H	01/04/2007	9	FAILED	View
2010	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	260	271	11/10/2007	V201H	01/04/2007	9	FAILED	View
2009	CWTD_Forth_Valley_CSV_FINALANDY.csv	ANDREWD01	CWTD	261	273	11/10/2007	V201H	01/04/2007	9	FAILED	View

By clicking on the 'View' link on the right of each attempted submission you will be presented with the load report that you were initially presented with at time of submission.

5.4 Validation Process

The validation process has 2 main levels.

First level validations are undertaken automatically prior to the data file being uploaded to ISD. Files must successfully pass first level validations before they can be transferred to ISD. Second level validations require a degree of interpretation and are undertaken once the data have passed the first level validations and have been successfully loaded to ISD.

First level validations. Details of the full list of error message produced by the system during the validation process are given in Appendix 1.

Diagram 1 – Validations, 1st Level

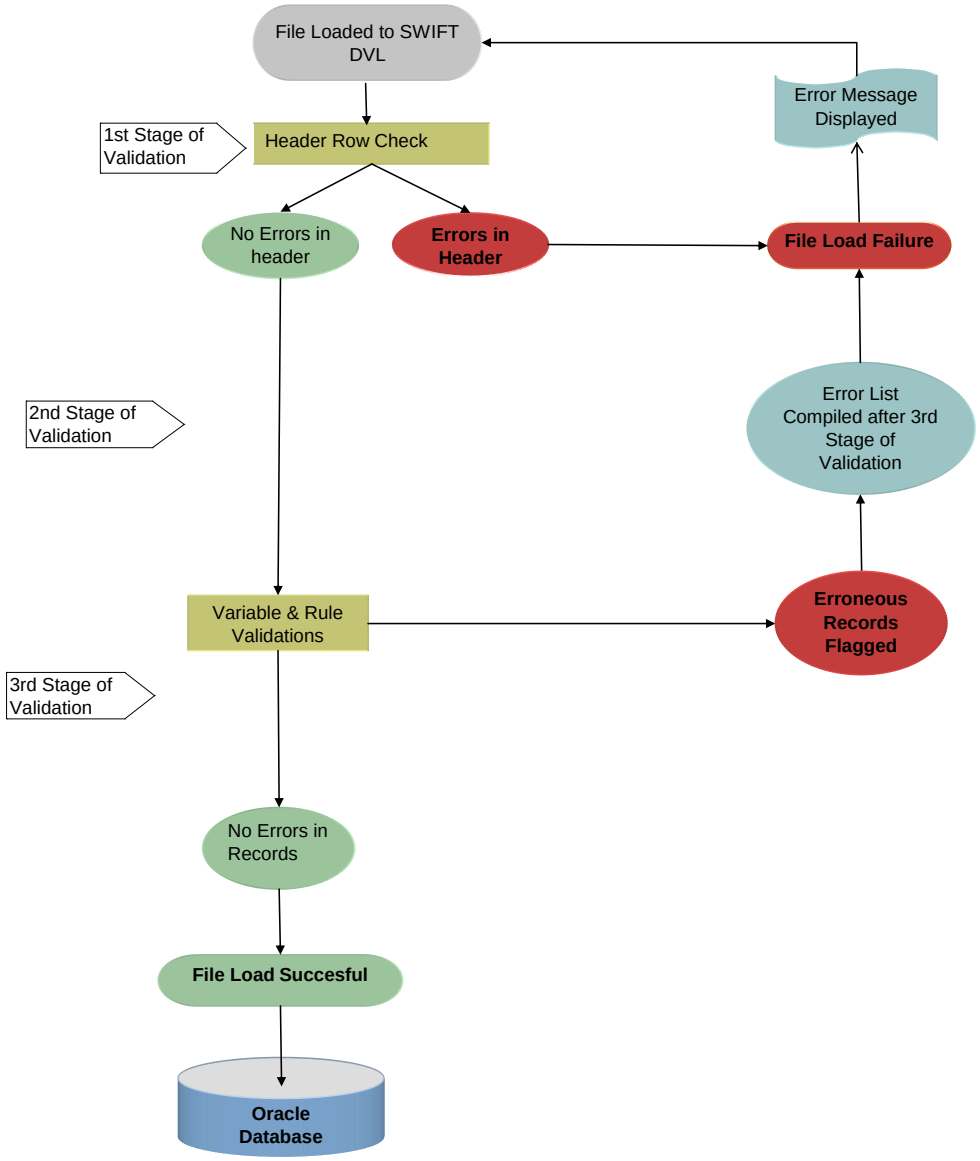
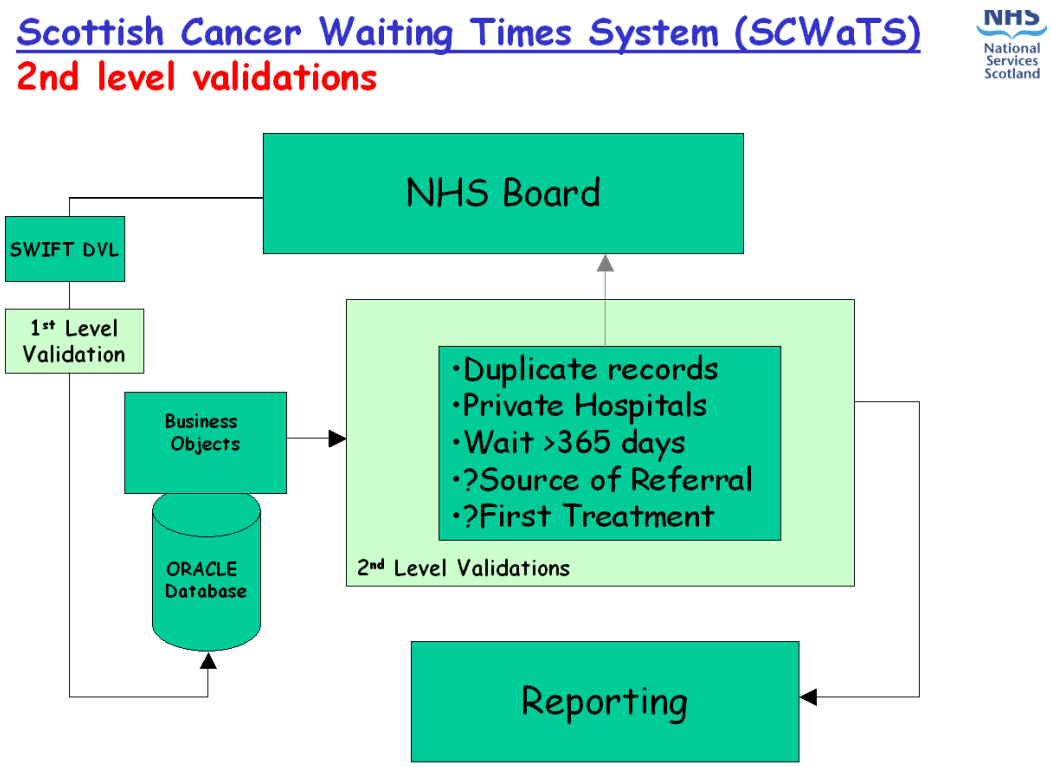


Diagram 2 – Validations 2nd Level



5.5 Quality Assurance (QA) Process

If errors are corrected at time of submission on SCWaTS, these amendments should also be made to the source database. If this is not done then there may be accuracy implications at time of QA review, plus it is a requirement of the Data Protection Act to correct any known data errors in your source data.

5.6 Contingency plans

In the unlikely event of SCWaTS failing back up plans for the submission of data will be put in place. For example submission could be made via the old SWIFT system or on disk and sent by recorded delivery.

5.7 Further Assistance

Please contact NSS.ISDCancerWaitsNew@nhs.net for further assistance.

Appendix 1: SCWaTS Validation and Error Messages

Please note that there may be some slight differences in the wording of these error messages. The format of the error messages is described below.

Record number: Data Item: Value: Message detailing why the record failed

Record Number	this enables you to identify which row in your file has caused a problem
Data Item	this is the name or label held in the database for the particular item
:Value:	the actual value held in your file
Message	details to help you understand the reason for the failure.

Validation Rules and Error Messages

Section	Data Item	Format	Validation Number	Rule	Error Message
Header	Header Row	N/A	001	Problem loading file into external table to read header record, it is likely that it is a binary file - did you send an xls file? if so: open the file and from the file menu use "save as..." and choose comma separated file (csv).	File being loaded must be a comma separated file (csv).
		N/A	002	Problem reading header record - remember that the 1st non-commented line must be the header record (example header: HEADER,NCWTD,B120H,200403,1).	First non-commented line must be the header record
		N/A	003	Header record does not start with the key word "HEADE R", found " " instead	Header record must start with the key word “HEADER”.
		N/A	004	Problem with reference date in header: ORA-01843: not a valid month	Error with reference date in header.
		N/A	005	Agent code in header (111QS) does not exist for this refe rence date	Header must contain a valid SENDING_LOCATION for the REF_DATE. Note that although the REF_DATE is entered as ‘YYYYMM’, it is redisplayed in the error message as ‘01-MON-YYYY’.
		N/A	006	Ref date in header ('YYYYMM') cannot be in the future (at time of loading).	REF_DATE cannot be beyond the file process date
		N/A	007	'Incorrect edition, found:' (REC.EDITION)', expecting: ((higher increment of)‘REC.EDITION’). WARNING! Think carefully before changing the edition - if you are not trying to load edition 1, then DATA WILL BE REPLACED with higher addition.'	EDITION_NUMBER should increment by 1 per submission (starting from 1) n.b. higher files with a higher EDITION_NUMBER will replace previous editions data.

Section	Data Item	Format	Validation Number	Rule	Error Message
Patient Demographics	CHI Number	10 Characters	008	Mandatory	must be supplied
			009	Code length = 10 characters	Has the wrong number of characters, it must have 10.
			010	Numeric characters only	CHI contains invalid characters - all chars in CHI must be numbers (0-9)
			011	The first 6 chars conform to DDMMYY	The first 6 characters must be a date in the format DDMMYY
			012	Check digit validation	Has an incorrect check digit (10th digit is a modulus 11 check digit (not 10)), according to my calcs it should be:
	Unique Care Pathway Number	13 Characters	013	Code length <= 13 characters	Must not be longer than 13 characters
	Hospital Patient Identifier	14 Characters	014	Code length >= 6 and <= 14	Must be between 6 and 14 characters long
	Patient Postcode	7 Characters	015	Mandatory	Cannot be null
			016	valid	Does not exist on national file (on MGS1)
	Ethnic Group	2 Alphanumeric	017	Mandatory	Cannot be null
			018	Valid value from a defined list: • date_of_first_treatmen > = 01/04/2012,List: ETHNIC GROUP(post Apr 2012 • date_of_first_treatmen > = 01/04/2012, List: ETHNIC GROUP(pre Apr 2012)	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.

Section	Data Item	Format	Validation Number	Rule	Error Message
Referral	Urgency and Referral Source	2 Characters	019	Mandatory	Cannot be null
			020	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.
	Date of Receipt of Referral	DDMMYYYY	021	Mandatory	Cannot be null
			022	Format	Does not fit date format (FORWARD slashes (/) are ignored)
			023	less than or equal to current date	Date of Receipt of Referral must be on or before the Current Date
			024	urgency and referral source is 16 or 17 if date of receipt of referral is 10/10/1010	Date of Receipt of Referral can only be recorded as Inapplicable (10/10/1010) where Urgency and Source of Referral is 16 or 17
	Board of Receipt of Referral	1 Character	025	Mandatory	Cannot be null
			026	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.
			027	Equal to sending location	Board of Receipt of Referral must align with the sending location
Diagnosis	Cancer Type	2 Characters	028	Mandatory	Cannot be null
			029	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.
Decision to Treat	Date Decision to Treat	DDMMYYYY	030	Mandatory	Cannot be null
			031	Format	Does not fit date format (FORWARD slashes (/) are ignored)
			032	While date is not dummy and CHI is valid, patient age must be 16 or over on the date decision to treat	The patient must be aged 16 or over on the Date Decision to Treat
			033	date decision to treat is less than or equal to date of first treatment where dates are valid.	Date Decision to Treat must be on or before Date of First Treatment

Section	Data Item	Format	Validation Number	Rule	Error Message
First Treatment	Type of First Treatment	2 Characters	034	Mandatory	Cannot be null
			035	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.
			036	Must be 8 or 14 if date decision to treat is dummy date	Date Decision to Treat can only be recorded as Inapplicable (10/10/1010) where Type of First Treatment is 08 or 14
	Date of First Treatment	DDMMYYYY	037	Mandatory	Cannot be null
			038	Format	Does not fit date format (FORWARD slashes (/) are ignored)
			039	Dummy Date	Date of First Treatment cannot be recorded as Inapplicable (10/10/1010)
			040	Where Date is known , month of treatment = month in header record	Month of First Treatment must be consistent with the month in the header record
			041	Where Date is known , year of treatment = year in header record	Year of First Treatment must be consistent with the year in the header record
	Board of First Treatment	1 Character	042	Mandatory	Cannot be null
			043	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.
Waiting Times Adjustment	Wt Adjustment Pre Dtt Days	Number	044	Mandatory	Cannot be null. If the value should be ZERO, please enter a "0" in the field
			045	Format	Does not fit number format
	Wt Adjustment Pre Dtt Reason	2 Characters	046	Mandatory	Cannot be null
			047	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.

Section	Data Item	Format	Validation Number	Rule	Error Message
Waiting Times Adjustment			048	WT_ADJUST_PRE_DTT_DAYS = 0 and WT_ADJUST_PRE_DTT_REASON != 7	WT Adjustment Pre-DTT Days must be zero where WT Adjustment Pre-DTT Reason is 07
			049	WT_ADJUST_PRE_DTT_DAYS != 0 and WT_ADJUST_PRE_DTT_REASON != 1 to 6	WT Adjustment Pre-DTT Days cannot be zero where WT Adjustment Pre-DTT Reason is 01, 02, 03, 04, 05, 06
	Wt Adjustment Post Dtt Days	Number	050	Mandatory	Cannot be null
			051	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.
			052	WT adjustment post dtt days = 0 and type of first treatment = 8 or 14	WT Adjustment Post-DTT Days must be zero where Type of First Treatment is 08 or 14
	Wt Adjustment Post Dtt Reason	2 Characters	053	Mandatory	Cannot be null
			054	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.
			055	WT_ADJUST_POST_DTT_DAYS = 0 WT_ADJUST_POST_DTT_REASON != 7	WT Adjustment Post-DTT Days must be zero where WT Adjustment Post-DTT Reason is 07
			056	WT_ADJUST_POST_DTT_DAYS != 0 WT_ADJUST_POST_DTT_REASON != 1 to 6	WT Adjustment Post-DTT Days cannot be zero where WT Adjustment Post-DTT Reason is 01, 02, 03, 04, 05, 06
Adjusted Length of Pathway	Referral to Treatment Days	Number	057	Format (999)	Does not fit number format

Section	Data Item	Format	Validation Number	Rule	Error Message
Adjusted Length of Pathway	Referral to Treatment Days	Number	058	Date of Receipt of Referral must not be dummy or not known if Referral to treatment days is available	Referral to Treatment Days must not be supplied if the Date of Receipt of Referral is 09/09/0909 or 10/10/1010
			059	Mandatory if Date of Receipt of Referral must not be dummy or not known and if urgency_and_referral_source != 16 or 17	Referral to Treatment Days must be supplied if the Date of Receipt of Referral is not 09/09/0909 or 10/10/1010, or the Urgency and Source of Referral is not 16 or 17
			060	Referral to treatment days = Calculate: (date_of_first_treatment - date_of_receipt_of_referral) Minus from (wt_adjust_pre_dtt_days + wt_adjust_post_dtt_days)	Referral to Treatment Days is not consistent with the information supplied.
			061	Referral to treatment days >= 0 when cancer_type != 6	Referral to Treatment Days can only be negative when Cancer Type is 06 (melanoma)
	Dtt to Treatment Days	Number	062	Format (999)	Does not fit number format
			063	dtt_to_treatment_days should not be present When date_decision_to_treat is dummy date or not known	DTT to Treatment Days must not be supplied if the Date Decision to Treat is 09/09/0909 or 10/10/1010
			064	Mandatory when date_decision_to_treat is not dummy date or not unknown	DTT to Treatment Days must be supplied if the Date Decision to Treat is not 09/09/0909 or 10/10/1010
			065	dtt_to_treatment_days = Calculate: date_of_first_treatment - date_decision_to_treat - wt_adjust_post_dtt_days	DTT to Treatment Days is not consistent with the information supplied
			066	dtt_to_treatment_days >= 0	DTT to Treatment Days cannot be negative. Please note that this number should be equal to (Date of First Treatment minus Date Decision to Treat) minus (WT Adjustment Post-DTT Days)

Section	Data Item	Format	Validation Number	Rule	Error Message
Reason For Delay	Reason for Delay 62 Day	2 Characters	067	Mandatory	Cannot be null
			068	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.
			069	reason_for_delay_62day = 9 when date_of_receipt_of_referral is unknown	Reason for Delay 62 day must be 09 if the Date of Receipt of Referral is 09/09/0909
			070	reason_for_delay_62day = 10 when date_of_receipt_of_referral = not applicable	Reason for Delay 62 day must be 10 if the Date of Receipt of Referral is 10/10/1010
			071	reason_for_delay_62day = 9 when date_of_first_treatment = unknown	Reason for Delay 62 day must be 09 if the Date of First Treatment is 09/09/0909
			072	reason_for_delay_62day = 10 when referral_to_treatment_days < 63	Reason for Delay 62 day must be 10 where the patient has been treated within the target
			073	reason_for_delay_62day != 10 when referral_to_treatment_days > 62	Reason for Delay 62 day cannot be 10 where the 62-day target has been breached
	Reason for Delay 31 Day	2 Characters	074	Mandatory	Cannot be null
			075	Valid value from a defined list	Does not exist in allowable list of values for this data_item. NOTE: If numeric, leading 0's may be removed.
			076	reason_for_delay_31day = 9 when date_decision_to_treat is unknown	Reason for Delay 31 day must be 09 if the Date Decision to Treat is 09/09/0909
			077	reason_for_delay_31day = 10 when date_decision_to_treat is not applicable	Reason for Delay 31 day must be 10 if the Date Decision to Treat is 10/10/1010
			078	reason_for_delay_31day = 9 when date_of_first_treatment is unknown	Reason for Delay 31 day must be 09 if the Date of First Treatment is 09/09/0909
			079	reason_for_delay_31day = 10 when dtt_to_treatment_days < 32	Reason for Delay 31 day must be 10 where the patient has been treated within the target
			080	reason_for_delay_31day != 10 when dtt_to_treatment_days > 31	Reason for Delay 31 day cannot be 10 where the 31-day target has been breached